

SCIENCE

And Technology Program



Theme Area: Environmental Resources

Program Area: Fisheries Applications

Project No: ER00.01

Project Title: Evaluation of Fish Louver System on Tongue River at the T&Y Canal Headworks.

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Abstract: A scientific evaluation of efficiency of a louver system will be performed. Development of technologies to accurately collect fish louvered and passing through louvers will be performed in order to document fish entrainment and louvering effectiveness at T&Y Canal, Tongue River, Montana. Sampling will build upon programs developed in 1998 in cooperation with state and federal agencies and the water district. Fish sampling and analysis techniques will be developed from techniques used at larger systems studied in the California Delta. Effectiveness of louvers as a method to reduce entrainment, at a great reduction in costs from other positive barrier systems, is needed as more canals are being assessed throughout the west for loss of sensitive native and endangered or threatened species. With the sampling of the fish in the bypass channel, valuable data on effectiveness of the louvers at various irrigation operations stages will be detailed and possibly used to further enhance the return of fish to the Tongue River, Montana.